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... New peers may **join** or leave the network at ... we propose a mechanism which uses **event-condition-action** (ECA) rules ... expressed for convenience as an SQL trigger). ...

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[\(PDF\) ► An Algebraic Approach to Rule Analysis in Expert Database Systems](#)

E Baralis, J Widom, Computer Science Dept, ... - PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE ..., 1994 - [reports.stanford.edu](#)

... in a recent paper KU94, where **Event-Condition-Action** rules are ... allows us to represent the SQL data modification ... cross-product, natural join 1, union ...

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[An Introduction to the TriggerMan Asynchronous Trigger Processor](#)

EN Hanson, S Khosla - Rules in Database Systems: Third International Workshop, ..., 1997 - [books.google.com](#)

... work on database triggers follows the **event-condition-action** (ECA) rule ... and having clauses familiar to users of SQL. ... to test selection and **join** conditions, plus ...

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## Scalable trigger processing

Hanson, E.N., Carnes, C., Huang, L., Konyala, M., Noronha, L., Parthasarathy, S., P. CISE Dept., Florida Univ., Gainesville, FL;

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### Abstract

Current database trigger systems have extremely limited scalability. This paper proposes truly scalable trigger system. Scalability to large numbers of triggers is achieved with a tri main memory effectively, and a memory-conserving selection predicate index based on t expression formats called expression signatures. A key observation is that if a very large are created, many will have the same structure, except for the appearance of different co a trigger is created, tuples are added to special relations created for expression signature constants. These tables can be augmented with a database index or main-memory index a predicate index. The design presented also uses a number of types of concurrency to s including token (tuple)-level, condition-level, rule action-level and data-level concurrency

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L Liu, C Pu, W Tang - IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, 1999 - doi.ieeecomputersociety.org

 ... A continual query is defined by a triple ( $SQL, ST_{(cq)}, Stop$ ), consisting of a normal query  $SQL$  (eg, written in  $SQL$ ), a trigger condition  $ST_{(cq)}$ , and a ...

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A Eberhart - Proceedings of the International Workshop on Rule Markup ..., 2002 - mindswap.org

 ... **Event Condition Action Rules** ... the equi-join of b and c on the variable Y. In turn, the ... Microsoft Access which is used as a graphical front-end for **SQL Server**. ...

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S Babu, J Widom - ACM SIGMOD Record, 2001 - portal.acm.org

 ... if the load exceeds a threshold T. A **SQL** version of ... case where Q is a self-join, we can ... Triggers, also called **event-condition-action** rules, are used to monitor ...

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A Gupta, M Bhide, M Mohania - Data Engineering, 2003. Proceedings. 19th International ..., 2003 - ieeeexplore.ieee.org

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### [DOC] ► Active Databases

S Chakravarthy - Special Issue of the Bulletin of the IEEE TC on Data ..., 1992 - itlab.uta.edu

 ... We have successfully implemented K-way join, Query/Sub ... was provided through an ODBC or **SQL** cursor interface ... into a set of rules (**event-condition-action** rules so ...

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G Zimbrão, R Miranda, JM de Souza, MH Estolano, ... - 2003 - lbd.dcc.ufmg.br

 ... 2.6.21] presents a model of **event-condition-action** rules, or ... out in [4] for mapping from OCL to **SQL**. ... the navigation pattern - we used join operations instead ...

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 ► [hawaii.edu](#) [PDF]


DKW Chiu, WCW Chan, GKW Lam, SC Cheung, FT Luk - System Sciences, 2003. Proceedings of the 36th Annual Hawaii ..., 2003 - ieeeexplore.ieee.org


 ... Event driven execution of rules in **event-condition-action** (ECA) form can ... Therefore, without significant reasons, clients will unlikely join another brokerage ...

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### View-Based Contracts in an E-Service Cross-Organizational Workflow Environment

E Kafeza, DKW Chiu, I Kafeza - LECTURE NOTES IN COMPUTER SCIENCE, 2001 - Springer  
 ... determines whether there is a **join** immediately before ... derived objects specified with  
 object-SQL can be ... can be specified in (**Event, Condition, Action**) form or ...  
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
ObjectGlobe: Ubiquitous query processing on the Internet - ► [tu-muenchen.de](http://tu-muenchen.de)   
 R Braumandl, M Keidl, A Kemper, D Kossmann, A ... - The VLDB Journal The International Journal on Very  
 Large ..., 2001 - Springer  
 ... sketched in Fig.3. The real XML plan is ... the operator is executed, eg, the final join  
 and the ... rently, ObjectGlobe supports a subset of SQL; ObjectGlobe, however ...  
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Effective Scheduling of Detached Rules in Active Databases - ► [cnr.it](http://cnr.it)   
 S Ceri, C Gennaro, S Paraboschi, G Serazzi - IEEE TRANSACTIONS ON KNOWLEDGE AND DATA  
 ENGINEERING, 2003 - doi.ieeecomputersociety.org  
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 of SQL statements, or ... Clients generated by Split join the queue of the ...  
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[A Frame Work for Modeling Electronic Contracts](#)

K Kan1apalem, AR Dani, PR Krishna - Conceptual Modeling-Er 2001: 20th International Conference ..., 2001 - books.google.com

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[Gupta, A.](#) [Bhide, M.](#) [Mohanja, M.](#)

IBM India Research Laboratory;

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